

# *CAPTEM*

*Curation and Analysis Planning Team for Extraterrestrial Materials*

*Kevin D. McKeegan  
Dept. of Earth, Planetary, and Space Sciences  
UCLA*

*Planetary Science Advisory Committee meeting  
Dec. 6, 2019*



# CAPTEM 2020

- Chair: Kevin McKeegan (UCLA), Vice-chair: Hope Ishii (UH)
- Secretary: Liz Rampe (JSC)      \*Chair-elect (2021): Barbara Cohen (GSFC)

## Sub-committee chairs

- Lunar: Juliane Gross (Rutgers U)
- Genesis: Larry Nittler (CIW)
- Stardust: Rhonda Stroud (NRL)
- Asteroids: Munir Humayun (FSU)
- Cosmic Dust: Hope Ishii (UH)
- Informatics: Sam Lawrence (JSC)
- Meteorite Working Group: Noriko Kita (U Wisconsin)
- Mars: Justin Filiberto (LPI), Caroline Smith (Nat Hist Mus, London)

## at-large members

- Jessica Barnes (UA), Jemma Davidson (ASU), Lydia Hallis\* (U Glasgow)

## coordinators

- Facilities: Kevin McKeegan (UCLA)
- Space Exposed Hardware: Jeff Taylor (UH)      \* new member

## recent CAPTEM activities

- Held virtual meeting Nov 15: next year will move to face-face in both Spring (LPSC) and Fall (TBD)
  - reflects increasing activities in sample-return missions
- Increasing international participation
  - Mars returned sample subcommittee co-chaired by American, European scientists
  - JAXA representative (H. Yurimoto) formally invited to spring meeting
- Artemis: Lunar subcommittee will work with Julie Mitchell on curatorial requirements, contamination control requirements (by Feb. 2020)
- Mars: identify subcommittee members and make recommendation to Mars Sample Curator (A. Harrington) and J. Grossman on how to curate CK samples
- Asteroids: awaiting response to review of OSIRIS-Rex curation plan
- Ad hoc committees forming for CAPTEM WP contributions toward Decadal
  - hold community forum at LPSC
- Justin Filiberto to work across AG's on diversity & inclusion

# ongoing CAPTEM issues for PAC

## Extraterrestrial Materials Curation

- CAPTEM will continue to anticipate working with NASA HQ on developing an investment strategy for needed future analytical capabilities and facilities.
- New NASA policies on curation of Astromaterials?

## Mars: curation facility preparation

### Questions/potential issues for MSR:

- JSC/Astromaterials planning and CAPTEM support.
  - needs defined? resources, budget appropriate?
- Interfaces of CAPTEM with mission(s) and with ESA curation and allocation plans need to be defined and developed.

## Informatics

- a community survey on data formats and practices was put on hold because PSD asked ARES to define requirements for a notional Astromaterials submission-based data repository for NASA-funded research.
- PI's supported for data archiving?